

Emerson - MMS 6000**MMS6310**

Dual-Channel Key-Pulse Monitor

Verified model data

Manufacturer	epro / Emerson
Part number	MMS6310
Product type	Dual-channel key-pulse monitor
Channels	2 key-pulse inputs
Supported sensor families	PR642x eddy-current chains and PR9376 Hall sensor
Power consumption	Maximum 4 W; 170 mA at 24 VDC
Order number	9100-00004
Mating connector	F48M; ordered separately
Product family	MMS 6000 Machine Monitoring System
Supply voltage	18 to 31.2 VDC; nominal 24 VDC
Configuration interface	RS232 on module front

Selection summary

EPRO MMS6310 is a two-channel key-pulse monitor for conditioning rotational reference signals in MMS 6000 systems.

It accepts documented eddy-current or Hall-effect sensor arrangements and supplies key or phase-reference information for analysis, diagnostics and machine monitoring.

Before replacement, record sensor and target type, gap, polarity, pulses per revolution, trigger thresholds, direction, output assignments, host references, cable routing and saved configuration.

APTER POWER

Emerson - MMS 6000**MMS6310****Additional verified data**

System interface	RS485; up to 31 modules / 62 channels per bus
Module protection	IP00; front plate IP21
Operating temperature	0 to 65°C
Storage and transport temperature	-30 to 85°C
Relative humidity	5 to 95%, non-condensing
Dimensions	3.0 × 12.84 × 16.0 cm (W × H × D)
Net weight	Approximately 0.32 kg

Sensor and Target

- Confirm PR642x or PR9376 compatibility
- Set safe gap and target geometry
- Record intended pulses per revolution

Trigger Quality

- Adjust threshold and hysteresis from the real waveform
- Check low-speed and high-speed pulse integrity
- Prevent noise and multiple-edge triggering

System Integration

- Map each key output to the correct analysis channels
- Preserve phase direction and channel identity
- Validate downstream order tracking and diagnostics

Application checkpoints

- Key-phase reference for turbine vibration analysis
- Once-per-revolution signal conditioning
- Rotational reference distribution in MMS 6000 monitoring systems

Evidence boundary: Dimensions and net weight are taken from the exact-model original epro datasheet; gross packed weight is excluded.

Source basis: Original epro MMS 6310 data sheet 6010-00023.